NITFS
Compliance Registration

Product: Synthetic Imagery Generation System Version 5.5

Sponsor: National Reconnaissance Office

Developer: Northrop Grumman

Date: 24 October 2002
Expiration: 23 October 2004
Registration #: 1017

☐ Initial Registration
☑ Supplemental/Update # **1011**
☐ Derived from Reg. #

☑ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

** NITF 2.0 feature
* NITF 2.1 feature

Complexity Level

NITF 2.1 CLEVEL

		3		5	6	7
Interpret						
Generate		■				

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	■	■	■				

Configurations Tested:
- Sun Ultra 1 Ultra Sparc (Solaris 2.8)

NITFS Features Implemented:

Format
NITF
- ○ ● v2.1
- ○ ● v2.0
- ○ v1.1
NSIF
- ○ ○ v1.0

Pixel Value Types
- ○ ○ Boolean
- ○ ● Integer
- ○ ○ Signed Integer *
- ○ ○ IEEE Real *
- ○ ○ IEEE Complex *

Annotation Segment Types
- ○ ○ Bit Mapped **
- ○ ● CGM, 2301
- ○ ○ CGM, 2301A
- ○ ○ Labels **

Text Segments
- ○ ○ STA
- ○ ○ UT1
- ○ ○ U8S
- ○ ○ MTF

Image Segment Types
- ○ ● MONO
- ○ ○ RGB
- ○ ○ RGB/LUT
- ○ ○ YCbCr
- ○ ○ MULTI
- ○ ○ NODISPLY
- ○ ○ POLAR

Image Compression
- ○ ● Not Compressed
- ○ ● JPEG Lossy, 8-bit
- ○ ○ JPEG Lossy, 12-bit
- ○ ○ JPEG Downsample
- ○ ○ JPEG Lossless
- ○ ○ JPEG 2000
- ○ ○ Bi-Level
- ○ ○ Vector Quantization
- ○ ○ Multispectral JPEG, Individual Band

Data Extension Segments
- ○ ○ TRE_OVERFLOW
- ○ ○ STREAMING_FILE_HEADER
- ○ ○ Controlled Extensions **
- ○ ○ Registered Extensions **

Tagged Record Extensions
- None implemented

EDWARD E. BOYLES, Division Chief
Joint Interoperability Test Command
Executive Agent to National Imagery & Mapping Agency
for the NITFS Test and Evaluation Program